Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/23/2019 11:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123826	-1	2.67	123828	2.63
Blue	F	SSC	125000	123157	-2	4.31	123807	4.28
Blue	E	FITC	16694	16271	-3	4.09	378	21.60
Blue	D	PE	32792	32281	-2	3.45	711	16.16
Blue	B	PerCP-Cy5-5	44451	43827	-2	4.96	1197	23.26
Blue	A	PE-Cy7	33645	33524	-1	7.28	605	47.84
Red	C	APC	47008	46648	-1	3.20	1800	13.60
Red	A	APC-Cy7	32298	31720	-2	3.16	793	14.39
Violet	B	V450	8961	8555	-5	4.75	474	14.47
Violet	A	V500	32726	31924	-3	4.48	768	11.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20239	4.96	608	-5	N/A	N/A	Pass
Blue	F	SSC	55922	3.73	578	10	N/A	N/A	Pass
Blue	E	FITC	64	68.96	565	2	0.0158	99	Pass
Blue	D	PE	141	57.74	569	3	0.1440	331	Pass
Blue	B	PerCP-Cy5-5	222	56.72	672	1	0.0073	62	Pass
Blue	A	PE-Cy7	117	121.99	728	2	0.0092	32	Pass
Red	C	APC	412	29.04	613	0	0.0187	131	Pass
Red	A	APC-Cy7	196	32.23	584	-1	0.0044	1032	Pass
Violet	B	V450	69	69.35	479	-7	0.0446	2231	Pass
Violet	A	V500	109	33.63	490	-6	0.0191	367	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-32.04	1.13
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.86	13.60 - 20.40	N/A	N/A	29.36	29.64	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11325

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments